

OSHA LEAD STANDARDS

GENERAL INDUSTRY LEAD STANDARD 29 CFR 1910.1025

- SCOPE AND APPLICATION
 - Applies to all occupational exposure to lead except:
 - construction
 - agriculture

SELECTED DEFINITIONS



- ACTION LEVEL(AL)
 - 30 μg/m³
- PERMISSIBLE EXPOSURE LIMIT (PEL)
 - 50 μg/m³

SELECTED DEFINITIONS



• ALLOWABLE EXPOSURE (in μg/m³)

400

hours worked



INITIAL DETERMINATION

- To determine whether employees are exposed at above the action level
- May rely on historical data

 NEGATIVE INITIAL DETERMINATION



- No exposure at or above the action level
- Additional monitoring is not required unless there is a change in:
 - equipment, process, control, personnel or task resulting in levels at or above the action level
- Document

- POSITIVE INITIAL DETERMINATION
 - Exposure at or above the AL and below the PEL
 - Conduct monitoring representative of each exposed employee
 - May use historical data
 - Additional monitoring every 6 months
 - Document

- POSITIVE INITIAL DETERMINATION
 - Exposure at or above the PEL
 - Conduct monitoring representative of each exposed employee
 - May use historical data
 - Additional monitoring every 3 months
 - Document

METHODS OF COMPLIANCE



- Exposures > PEL for more than30 days per year
 - Engineering Controls
 - Work Practice Controls

RESPIRATORY PROTECTION



• **REQUIRED**:

- while engineering and work practice controls are being installed or implemented
- during activities when engineering and work practice controls are not feasible
- where engineering and work practice controls are not feasible to reduce exposures below PEL

RESPIRATORY PROTECTION



 Must be provided whenever an employee requests a respirator.

RESPIRATORY PROTECTION



 Must provide a PAPR whenever an employee requests one and it is protective against the level of exposure.

EXPOSURE > PEL



- Respiratory protection
- Personal protective equipment
- Change rooms
- Showers (where feasible in construction)
- Eating facilities
- Hand washing facilities

HOUSEKEEPING



 Maintain surfaces as free as practicable of lead accumulation.

MEDICAL SURVEILLANCE

- Exposure > AL for more than 30 days per year
 - Medical exam
 - Biological monitoring

MEDICAL REMOVAL



- Average of last three blood lead
 levels > 50 μg/dL
- Average of blood lead levels over the past 6 months > 50 μg/dL
- Return
- Benefits

EMPLOYEE TRAINING (within 180 days)



- REQUIRED:
 - EXPOSURE ≥ AL
 - ANNUALLY

RECORDKEEPING



- EXPOSURE DATA AND MEDICAL SURVEILLANCE
 - 40 years or duration of employment plus 20 years
- MEDICAL REMOVAL
 - At least duration of employment